F/A-18 A/B/C/D MAINTENANCE TRAINING

MOS 6287 LESSON GUIDES

F/A-18 A/B/C/D MAINTENANCE TRAINING

A.01 (A thru D)	Special / Support Equipment
A.02 (A thru J)	Safety Precautions and Procedures
A.03 (A thru OO)	Aircraft Publications, Diagrams, Sketches, and Drawings
A.04 (A thru K)	Precision Measuring Equipment
A.05 (A thru D)	Liquid Oxygen Servicing
A.06 (A thru B)	Properties of Gases
B.01 (A thru L)	Scheduled / Unscheduled Inspections
B.02 (A thru C)	Technical Directives / Changes / Bulletins
B.03 (A thru D)	Corrosion Control
B.04 (A thru D)	Canopy System
B.05 (A thru D)	SJU-5/A and SJU-6/A Egress System
B.06 (A thru D)	SJU-17(V)1A and SJU-17(V)2A NACES Systems
B.07 (A thru D)	Fire Extinguishing System
B.08 (A thru D)	Cabin Pressurization System
B.09 (A thru D)	Environmental Control System
B.10 (A thru D)	Bleed Air Systems
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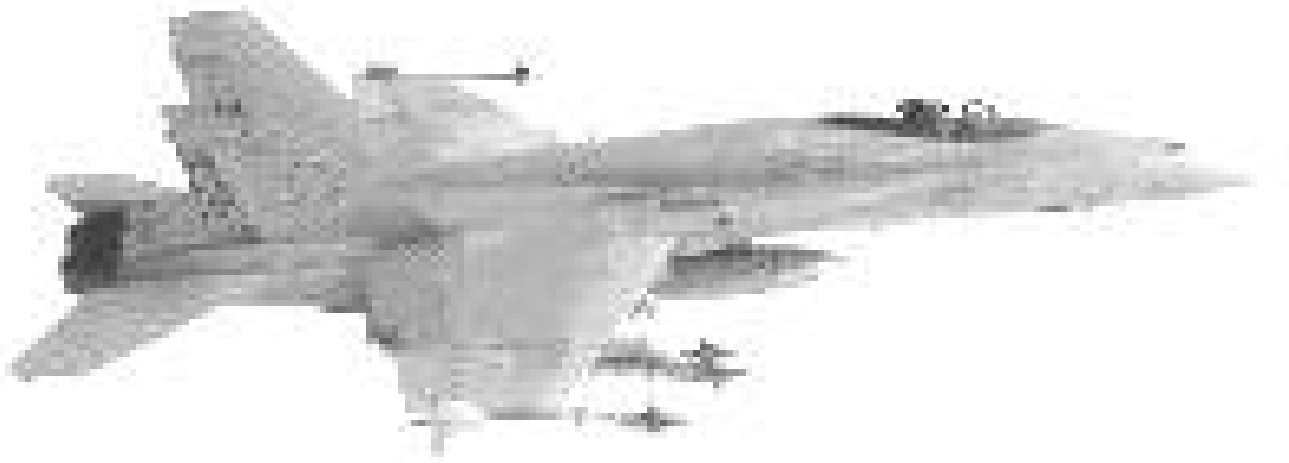
B.12 (A thru D)	Air Cycle Air Conditioning System
B.13 (A thru D)	Cabin Cooling/Defog System
B.14 (A thru D)	Vent Suit Systems
B.15 (A thru D)	Avionics Cooling System
B.16 (A thru D)	Canopy Seal Pressure System
B.17 (A thru D)	On-Board Oxygen Generating System (OBOGS)
B.18 (A thru D)	Liquid Oxygen System
B.19 (A thru D)	Windshield Anti-ice and Rain Removal System
B.20 (A thru D)	Wave Guide System
B.21 (A thru D)	Anti-“G” System
B.22 (A thru D)	Deployable Flight Incident Recorder System (DFIRS)



MOS 6287 LESSON GUIDES

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 A.01 (A thru D)

SPECIAL / SUPPORT EQUIPMENT

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A. LECTURE NUMBER: F/A-18 MOS 6287 A.01 (A thru D)

B. TIME: 0.5 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Support/Special Equipment

F. OBJECTIVE: Student will be able to demonstrate/apply knowledge of the operation, care, and maintenance requirements of applicable work center support/special equipment.

G. INSTRUCTIONAL AIDES:

H. REFERENCES:

1. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
2. A1-F18AX-120-300, Organizational Maintenance with IPB Seat, Canopy, Survival Equipment, and Boarding Ladder
3. TO-33B4-2-10-1, Optical Micrometer
4. NA 19-600-19-6-1, Preoperational Checklist Maintenance Platforms

I. PRESENTATION: This period of instruction will inform students about the operation, care, and maintenance requirements of applicable work center support / special equipment.

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss operation of the aircraft ground servicing canopy brace.
2. Discuss care and maintenance of the aircraft ground servicing canopy brace.
3. Discuss operation of the seat maintenance pin set.
4. Discuss care and maintenance the seat maintenance pin set.
5. Discuss operation of the optical micrometer.
6. Discuss care and maintenance the optical micrometer.
7. Discuss operation of maintenance stands.
8. Discuss care and maintenance the maintenance stands.

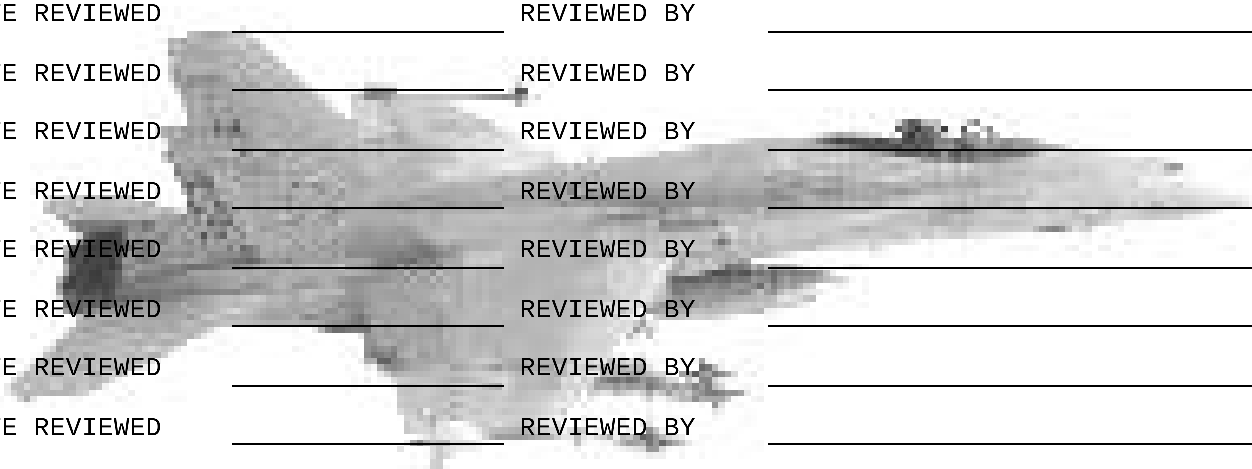
J. SUMMARY: During this period of instruction we covered the operation, care, and maintenance requirements of applicable work center support/special equipment.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 A.02 (A thru J)

SAFETY PRECAUTIONS and PROCEDURES



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A. LECTURE NUMBER: F/A-18 MOS 6287 A.02 (A thru J)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Safety Precautions and Procedures in the work center

F. OBJECTIVE: Student will be able to demonstrate knowledge of safety precautions and procedures in the work center.

G. INSTRUCTIONAL AIDES:

H. REFERENCES:

1. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
2. A1-NAOSH-SAF-000/P5100-1,
3. OSHA 29 CFR 1910, Confined Space Entry
4. A1-F18AX-120-100, Organizational Maintenance Theory of Operation Seat, Canopy, Survival Equipment, and Boarding Ladder
5. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
6. A1-F18AC-LMM-020, Organizational Maintenance Line Maintenance Emergency Procedures
7. A6-332-AO-GYD-000, Laboratory and Field Guide Aviators Breathing Oxygen (ABO) Surveillance Program

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss canopy safety procedures.
2. Discuss ejection seat safety procedures.
3. Discuss boarding ladder procedures.
4. Discuss controls/switches/indicators and normal positions in the cockpit.
5. Discuss maintenance line emergency procedures.
6. Discuss general housekeeping.
7. Discuss shop and safety equipment.
8. Discuss composite material safety.
9. Discuss ABO safety.

J. SUMMARY: During this period of instruction we covered safety precautions and procedures in the work center.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 A.03 (A thru OO)

AIRCRAFT PUBLICATIONS, DIAGRAMS, SKETCHES, and DRAWINGS

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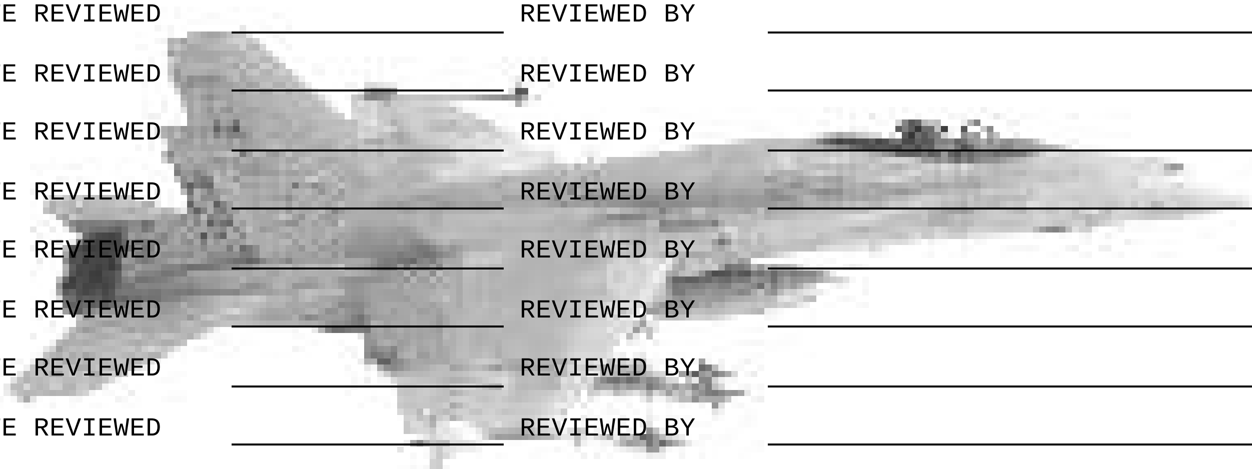

A. LECTURE NUMBER: F/A-18 MOS 6287 A.03 (A thru OO)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Aircraft Publications, diagrams, sketches, and drawings

F. OBJECTIVE: Student will be able to demonstrate knowledge of aircraft publications, diagrams, sketches, and drawings.

G. INSTRUCTIONAL AIDES: Work center DTPL or squadron CTPL

H. REFERENCES:

1. 100 Series Publications, Principles of Operation Manuals
2. 200 Series Publications, Testing and Troubleshooting Manuals
3. 300 Series Publications, System Maintenance with IPB Manuals
4. 500 Series Publications, System Schematic Manuals
5. A1-F18AC-GAI-000, General Aircraft Information
6. A1-F18AC-LMM-010, Line Maintenance Access Doors
7. A1-F18AC-LMM-020, Line Maintenance Emergency Procedures
8. A1-F18AC-PCM-000, Plane Captain Manual
9. A1-F18AX—FIM-000, Fault Isolation Manual
10. A1-F18AX-FRM-000, Fault Reporting Manual
11. A1-F18AX-OLD-000/010, Organizational Flight Program Simplified Schematics
12. A1-F18AC-LMM-000, Line Maintenance Procedures
13. A1-F18AC-IPB-450, Parts List Index Manual
14. A1-F18AX-MRC-000, Periodic Maintenance Information Cards
15. A1-F18AX-MRC-200, Maintenance Requirement Cards Daily/Special/Conditional
16. A1-F18AX-MRC-300, Phased Maintenance Requirement Cards
17. A1-F18AX-120-600/650, Challenge and Reply Checklist
18. NA 13-1-37, NACES
19. A1-F18AX-120-700, SKU-10 Seat Bucket
20. A1-F18AX-NFM-000, NATOPS Flight Manual
21. A1-F18AX-SRM-450, Structural Repair Manual
22. A1-F18AX-PIM-010, Piping Installation Manual
23. NA 01-1A-8, Aircraft Structural Hardware
24. NA 01-1A-17 Aircraft Hydraulics Manual
25. NA 11-85-1, Aircrew Escape Propulsion Devices
26. NA 11-100-1.1, General Use Cartridges and Cartridge Actuated Devices
27. OP-4/5, Ammunition Afloat
28. NA 17-1-108, Torque Tools
29. NA 17-1FA18-1, Aircraft Tool Control Manual

30. AG-500AO-MRC-100, Preoperational Checklist Aircraft Oxygen System Test Set
31. 19-600-218-6-1, Preoperational Checklist Aircraft Ejection Seat Dolly
32. A1-F18AX-WUC-800, Work Unit Code Manual
33. OPNAVINST 4790.2_, Naval Aviation Maintenance Program (NAMP)
34. NA 01-1A-509, Aircraft Corrosion Control
35. NA 01-1A-540, Avionics Corrosion Control
36. NA 07-1-505, Toxicity, Flashpoint, and Flammability of Chemicals
37. NAVSUP PUB 4500, Consolidated Hazardous Item List
38. A1-F18AC-AML-000, Aircraft Technical Documentation List
39. AG-000AC-GSE-000/100, Miscellaneous Peculiar Support Equipment

I. PRESENTATION: Review with the student following publications as the pertain to the work center:

1. 100 Series Publications
2. 200 Series Publications
3. 300 Series Publications
4. 500 Series Publications
5. A1-F18AC-GAI-000
6. A1-F18AC-LMM-010
7. A1-F18AC-LMM-020
8. A1-F18AC-PCM-000
9. A1-F18AX—FIM-000
10. A1-F18AX-FRM-000
11. A1-F18AX-OLD-000/010
12. A1-F18AC-LMM-000
13. A1-F18AC-IPB-450
14. A1-F18AX-MRC-000
15. A1-F18AX-MRC-200
16. A1-F18AX-MRC-300
17. A1-F18AX-120-600/650
18. NA 13-1-37
19. A1-F18AX-120-700
20. A1-F18AX-NFM-000
21. A1-F18AX-SRM-450
22. A1-F18AX-PIM-010
23. NA 01-1A-8
24. NA 01-1A-17
25. NA 11-85-1
26. NA 11-100-1.1
27. OP-4/5
28. NA 17-1-108
29. NA 17-1FA18-1
30. AG-500AO-MRC-100
31. 19-600-218-6-1
32. A1-F18AX-WUC-800
33. OPNAVINST 4790.2_

34. NA 01-1A-509
35. NA 01-1A-540
36. NA 07-1-505
37. NAVSUP PUB 4500
38. A1-F18AC-AML-000
39. AG-000AC-GSE-000/100

J. SUMMARY: During this period of instruction we discussed applicable aircraft publications, diagrams, sketches, and drawing for the work center.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 A.04 (A thru K)

PRECISION MEASURING EQUIPMENT

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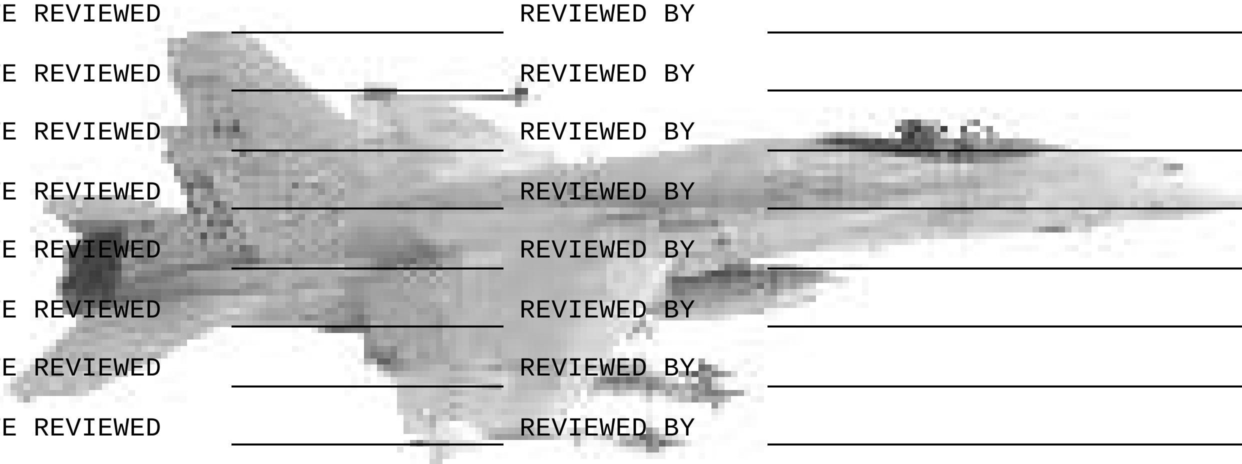


A. LECTURE NUMBER: F/A-18 MOS 6287 A.04 (A thru K)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Precision Measuring Equipment

F. OBJECTIVE: Student will be able to demonstrate knowledge and operation of applicable precision measuring equipment.

G. INSTRUCTIONAL AIDES:

1. Inch-pound torque wrench
2. Foot –pound torque wrench
3. DDPH-50 Push-pull gauge
4. Optical micrometer set
5. Outside micrometer caliper
6. Telescoping gauge
7. Fluke meter, 77/AN
8. ACS pressure indicating test set, 74D410121-1001
9. Barostat tester, TRM/BRU tester
10. OBOGS test set
11. Test unit, TRM drogue gun / BRU tester

H. REFERENCES:

1. A1-F18AC-LMM-000, Organizational Line Maintenance Procedures
2. A1-F18AX-XXX-200, Organizational Maintenance Testing and Troubleshooting Manuals
3. A1-F18AX-XXX-300, Organizational Maintenance with IPB Manuals
4. Applicable operator’s manuals

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review operation of the Inch-pound torque wrench
2. Review operation of the Foot –pound torque wrench
3. Review operation of the DDPH-50 Push-pull gauge
4. Review operation of the Optical micrometer set
5. Review operation of the Outside micrometer caliper
6. Review operation of the Telescoping gauge
7. Review operation of the Fluke meter, 77/AN
8. Review operation of the ACS pressure indicating test set, 74D410121-1001

9. Review operation of the Barostat tester, TRM/BRU tester
10. Review operation of the OBOGS test set

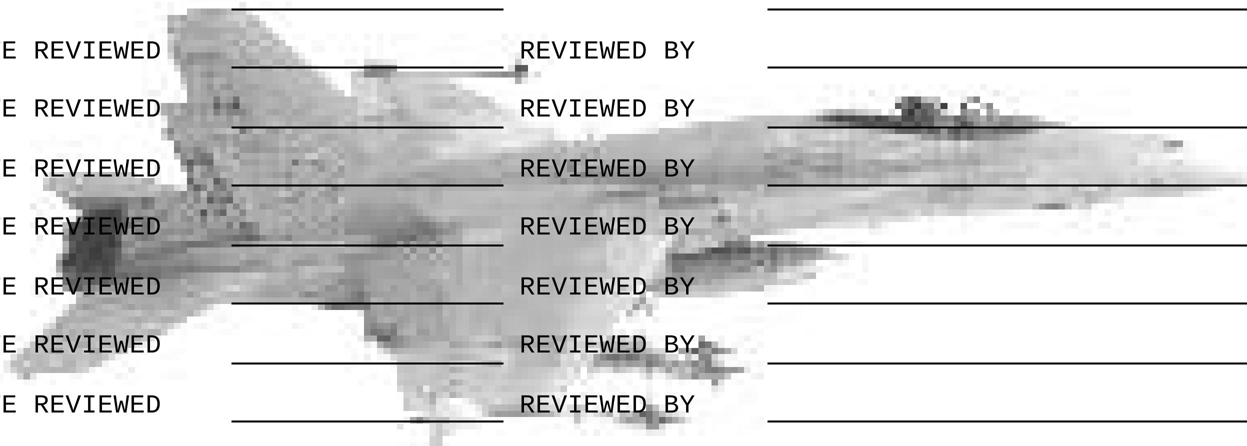
J. SUMMARY: During this period of instruction we covered applicable precision measuring equipment.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 A.05 (A thru D)

LIQUID OXYGEN SERVICING



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A. LECTURE NUMBER: F/A-18 MOS 6287 A.05 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Liquid Oxygen Servicing

F. OBJECTIVE: Student will be able to demonstrate/apply knowledge of liquid oxygen servicing.

G. INSTRUCTIONAL AIDES:

H. REFERENCES:

1. A1-F18AC-LMM-000, Line Maintenance Procedures
2. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control Systems
3. A6-332AO-GYD-000, Laboratory and Field Guide Aviators Breathing Oxygen (ABO) Surveillance Program

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss LOX converter exchange.
2. Discuss servicing LOX converters.
3. Discuss inspection of protective clothes.
4. Discuss purging aircraft oxygen system.

J. SUMMARY: During this period of instruction we covered liquid oxygen servicing.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 A.06 (A thru B)

CHARACTERISTICS AND PROPERTIES OF GASES

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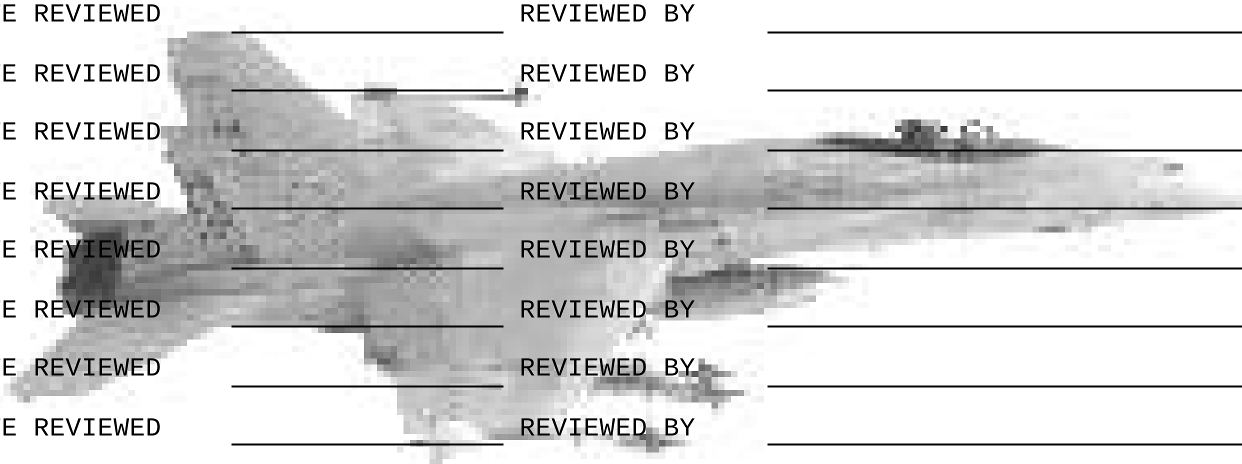

A. LECTURE NUMBER: F/A-18 MOS 6287 A.06 (A thru B)

B. TIME: 0.5 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Characteristics and Properties of Gases

F. OBJECTIVE: Student will be able to demonstrate/apply knowledge of the characteristics and properties of gases.

G. INSTRUCTIONAL AIDES:

H. REFERENCES:

1. A6-332AO-GYD-000, Laboratory and Field Guide Aviators Breathing Oxygen (ABO) Surveillance Program

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review proper safety precautions during servicing evolutions.
2. Review proper handling and storage of liquid oxygen.

J. SUMMARY: During this period of instruction we covered characteristics and properties of gases.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.01 (A thru L)

SCHEDULED / UNSCHEDULED INSPECTIONS

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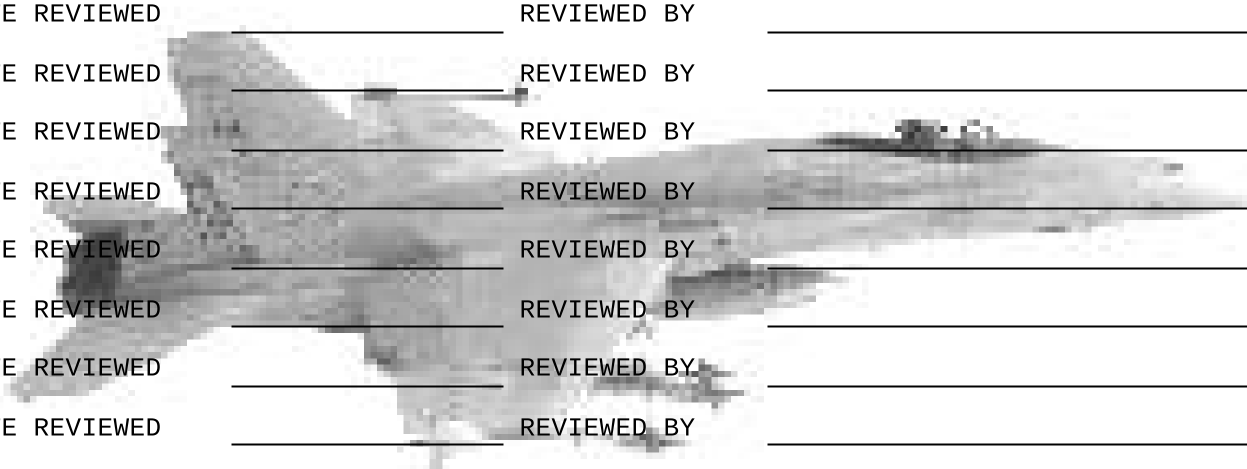

A. LECTURE NUMBER: F/A-18 MOS 6287 B.01 (A thru L)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Scheduled/Unscheduled Inspections

F. OBJECTIVE: Student will be able to perform scheduled and unscheduled inspections safely and comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AX-MRC-000, Periodic Maintenance Information Cards
2. A1-F18AX-MRC-100, Turnaround Checklist
3. A1-F18AX-MRC-200, Daily Maintenance Requirement Cards
4. A1-F18AX-MRC-250, Special/Preservation Maintenance Requirement Cards
5. A1-F18AX-MRC-300, Phased Maintenance Requirement Cards
6. A1-F18AX-LMM-030, Organizational Maintenance Conditional Inspection Procedures
7. A1-F18AX-WUC-800, Work Unit Code
8. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
9. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review Periodic Maintenance Procedures REF: A1-F18AXC-MRC-000
2. Review Turnaround Checklist Requirements. REF: A1-F18AX-MRC-100
3. Review Daily, Special, and Preservation Inspection Requirements. REF: A1-F18AX-MRC-200
4. Review Conditional Inspection Procedures. REF: A1-F18AX-LMM-030
5. Discuss Phase Maintenance Requirements. REF: A1-F18AX-MRC-300
6. Discuss special 14-day inspection. REF: A1-F18AX-MRC-250
7. Discuss special 42-day inspection. REF: A1-F18AX-MRC-250
8. Discuss special 84-day inspection. REF: A1-F18AX-MRC-250
9. Discuss special 224-day inspection. REF: A1-F18AX-MRC-250
10. Discuss special 448-day inspection. REF: A1-F18AX-MRC-250
11. Discuss special 728-day inspection. REF: A1-F18AX-MRC-250

12. Discuss preservation/depreservation inspection. REF: A1-F18AX-MRC-250
13. Discuss acceptance/transfer inspection. REF: OPNAVINST 4790.2_

J. SUMMARY: During this period of instruction we covered Periodic Maintenance, Turnaround and Daily Requirements, Special, Preservation and Conditional Maintenance Requirements and we also discussed Phase Inspections.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.02 (A thru C)

TECHNICAL DIRECTIVES

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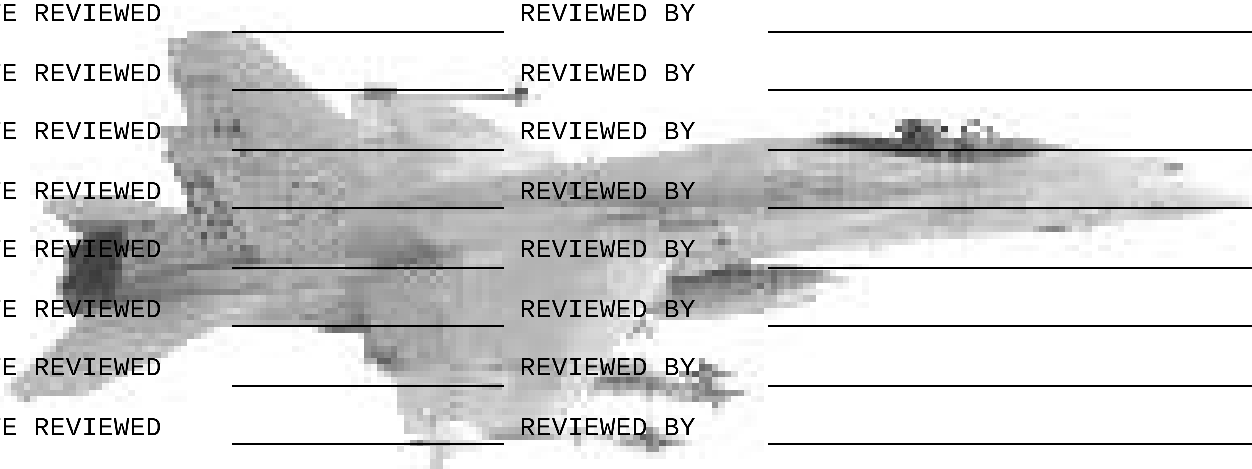

A. LECTURE NUMBER: F/A-18 MOS 6287 B.02 (A thru C)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Technical Directives

F. OBJECTIVE: Student will be able demonstrate a knowledge of Technical Directive Changes / Bulletins.

G. INSTRUCTIONAL AIDES:

H. REFERENCES:

1. NA 5215.10, Processing of RAMEC
2. OPNAVINST 4290.2_, Naval Aviation Maintenance Program (NAMP)

I. PRESENTATION:

1. Discuss Rapid Action Minor Engineering Change proposals.
   REF: NA 5215.10
2. Discuss incorporating Technical Directive Changes.
   REF: OPNAVINST 4790.2_
3. Discuss incorporating Technical Directive Bulletins.
   REF: OPNAVINST 4790.2_

J. SUMMARY: During this period of instruction we covered the Technical Directives System, RAMECs, and incorporating Technical Directive Changes / Bulletins.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.03 (A thru D)

CORROSION CONTROL

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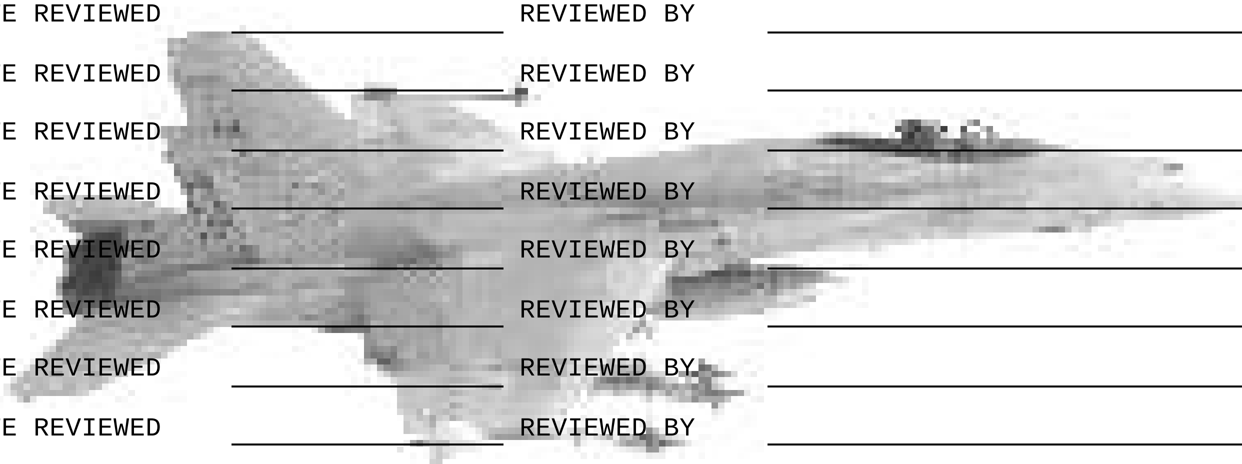

A. LECTURE NUMBER: F/A-18 MOS 6287 B.03 (A thru D)

B. TIME: 1.0 Hour

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Corrosion Control

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Detection, identification, and classification of corrosion control. Student will also be able to treat corrosion safely in accordance with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to the task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. NA 01-1A-509, Corrosion Control Manual
2. A1-F18AC-SRM-500, Structural Repair Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review corrosion detection, prevention, corrective actions on aircraft and support equipment. REF: NA 01-1A-509
2. Review proper 3M documentation. REF: OPNAVINST 4790.2_

J. SUMMARY: During this period of instruction we covered corrosion detection, identification, and classification. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to a task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.04 (A thru D)

CANOPY SYSTEM

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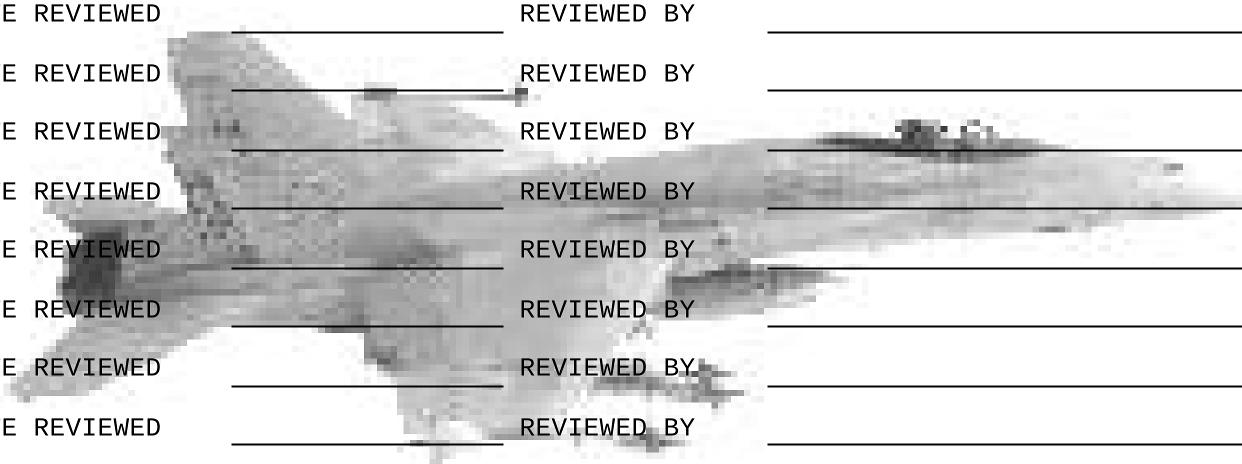

A. LECTURE NUMBER: F/A-18 MOS 6287 B.04 (A thru D)

B. TIME: 3.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Canopy System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Canopy system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AX-120-100, Organizational Maintenance Principles of Operation Seat, Canopy, Survival Equipment, and Boarding Ladder
2. A1-F18AX-120-200, Organizational Maintenance Testing and Troubleshooting Seat, Canopy, Survival Equipment, and Boarding Ladder
3. A1-F18AX-120-300, Organizational Maintenance Seat, Canopy, Survival Equipment, and Boarding Ladder
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. A1-F18AX-WUC-800, Work Unit Code
6. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
7. NA 16-1-540, Avionics Cleaning and Corrosion Prevention/Control

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss theory of operation for the canopy system. REF: A1-F18AX-120-100
2. Discuss fault isolation for the canopy system. REF: A1-F18AX-120-200
3. Discuss functional check for the canopy system. REF: A1-F18AX-120-200
4. Discuss R&R of the canopy. REF: A1-F18AX-120-300
5. Discuss R&R of the canopy pressure seal. REF: A1-F18AX-120-300
6. Discuss R&R of the canopy weather seal. REF: A1-F18AX-120-300

7. Discuss rigging the canopy. REF: A1-F18AX-120-300
8. Discuss R&R of the canopy actuator. REF: A1-F18AX-120-300
9. Discuss R&R of the canopy jettison rocket motor. REF: A1-F18AX-120-300
10. Discuss R&R of the canopy unlatch thruster. REF: A1-F18AX-120-300
11. Discuss R&R of the canopy CAD and initiators. REF: A1-F18AX-120-300
12. Discuss R&R of the canopy FCDC. REF: A1-F18AX-120-300
13. Discuss R&R of the canopy jettison SMDC initiator. REF: A1-F18AX-120-300
14. Discuss appropriate 3M documentation procedures. REF: OPNAVINST 4790.2_ and A1-F18AX-WUC-800
15. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
16. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
17. Discuss corrosion detection and prevention procedures. REF: NA 16-1-540

J. SUMMARY: During this period of instruction we covered canopy system theory of operation, functional check, and fault isolation of canopy and boarding ladder system components. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.05 (A thru D)

SJU-5/A AND SJU-6/A EGRESS SYSTEM

	YR/MO/DAY		NAME/RANK
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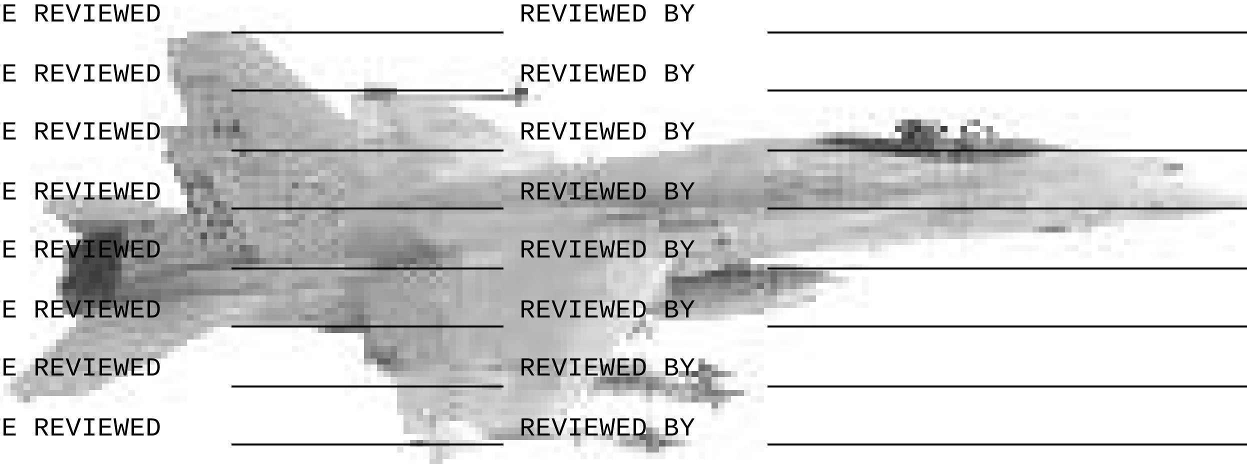

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A. LECTURE NUMBER: F/A-18 MOS 6287 B.05 (A thru D)

B. TIME: 3.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: SJU-5/A and SJU-6/A Egress System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: SJU-5/A and SJU-6/A egress system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AX-120-100, Organizational Maintenance Principles of Operation Seat, Canopy, Survival Equipment, and Boarding Ladder
2. A1-F18AX-120-200, Organizational Maintenance Testing and Troubleshooting Seat, Canopy, Survival Equipment, and Boarding Ladder
3. A1-F18AX-120-300, Organizational Maintenance Seat, Canopy, Survival Equipment, and Boarding Ladder
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. A1-F18AX-WUC-800, Work Unit Code
6. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
7. NA 16-1-540, Avionics Cleaning and Corrosion Prevention/Control

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss theory of operation for the SJU-5/A and SJU-6/A egress system. REF: A1-F18AX-120-100
2. Discuss fault isolation for the SJU-5/A and SJU-6/A egress system. REF: A1-F18AX-120-200
3. Discuss functional check for the SJU-5/A and SJU-6/A egress system. REF: A1-F18AX-120-200
4. Discuss R&R of the ejection seat (SJU-5/A). REF: A1-F18AX-120-300

5. Discuss R&R of the ejection seat (SJU-6/A). REF: A1-F18AX-120-300
6. Discuss R&R of the aircraft seat parachute. REF: A1-F18AX-120-300
7. Discuss R&R of the aft aircraft seat parachute. REF: A1-F18AX-120-300
8. Discuss R&R of the survival kit assembly. REF: A1-F18AX-120-300
9. Discuss R&R of the seat bucket. REF: A1-F18AX-120-300
10. Discuss R&R of the drogue gun. REF: A1-F18AX-120-300
11. Discuss R&R of the ejection control handle. REF: A1-F18AX-120-300
12. Discuss R&R of the inertia reel straps. REF: A1-F18AX-120-300
13. Discuss R&R of the leg restraint lines. REF: A1-F18AX-120-300
14. Discuss R&R of the time-release mechanism. REF: A1-F18AX-120-300
15. Discuss R&R of the rocket motor. REF: A1-F18AX-120-300
16. Discuss R&R of the 30-second delay initiator. REF: A1-F18AX-120-300
17. Discuss R&R of the .75-second delay initiator. REF: A1-F18AX-120-300
18. Discuss R&R of the ejection seat initiators. REF: A1-F18AX-120-300
19. Discuss arming of the ejection seat. REF: A1-F18AX-120-300
20. Discuss de-arming the ejection seat. REF: A1-F18AX-120-300
21. Discuss R&R of the catapult primary cartridge. REF: A1-F18AX-120-300
22. Discuss R&R of the catapult auxiliary cartridges. REF: A1-F18AX-120-300
23. Discuss appropriate 3M documentation procedures. REF: OPNAVINST 4790.2_ and A1-F18AX-WUC-800
24. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
25. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
26. Discuss corrosion detection and prevention procedures. REF: NA 16-1-540

J. SUMMARY: During this period of instruction we covered SJU-5/A and SJU-6/A egress system theory of operation, functional check, and fault isolation of canopy and boarding ladder system components. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.06 (A thru D)

SJU-17(V)1A AND SJU-17(V)2A NACES SYSTEM

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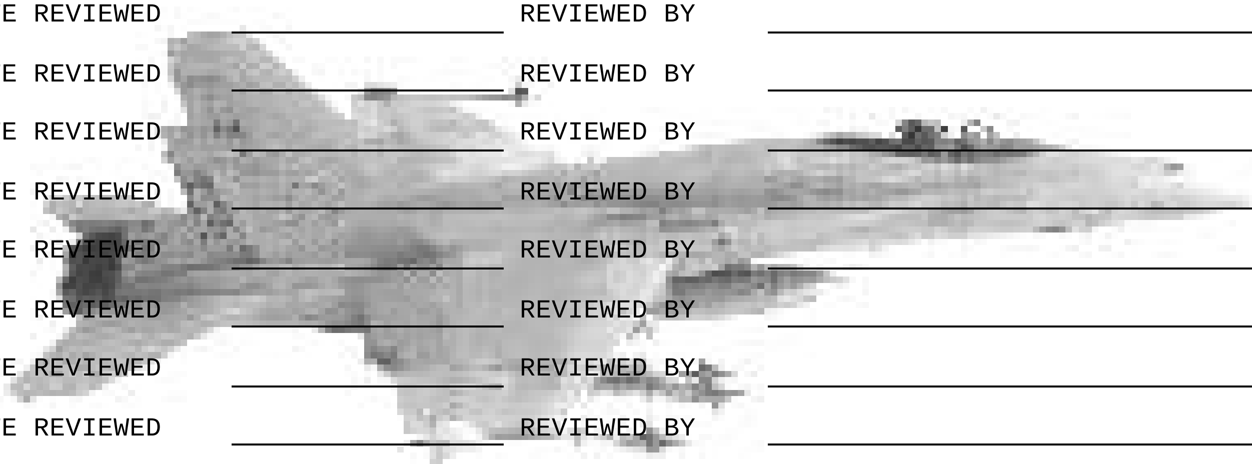

A. LECTURE NUMBER: F/A-18 MOS 6287 B.06 (A thru D)

B. TIME: 3.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: SJU-17(V)1A and SJU-17(V)2A NACES System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: SJU-17(V)1A and SJU-17(V)2A NACES system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. NA 13-1-36, Organizational Maintenance with IPB Aircraft Ejection Seat
2. NA 13-1-37, Personnel Ejection Seat Challenge and Reply De-arm/Arm
3. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
4. A1-F18AX-WUC-800, Work Unit Code
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss theory of operation for the SJU-17(V)1A and SJU-17(V)2A NACES system. REF: NA 13-1-36
2. Discuss fault isolation for the SJU-17(V)1A and SJU-17(V)2A NACES system. REF: NA 13-1-36
3. Discuss functional check for the SJU-17(V)1A and SJU-17(V)2A NACES system. REF: NA 13-1-36
4. Discuss R&R of the ejection seat (SJU-17(V)1A). REF: NA 13-1-36
5. Discuss R&R of the ejection seat (SJU-17(V)2A). REF: NA 13-1-36
6. Discuss R&R of the survival kit assembly. REF: NA 13-1-36
7. Discuss R&R of the survival kit assembly. REF: NA 13-1-36
8. Discuss R&R of the aircraft seat parachute. REF: NA 13-1-36

9. Discuss R&R of the aircraft aft seat parachute. REF: NA 13-1-36
10. Discuss R&R of the seat bucket. REF: NA 13-1-36
11. Discuss R&R of the leg restraint lines. REF: NA 13-1-36
12. Discuss R&R of the inertia reel straps. REF: NA 13-1-36
13. Discuss R&R of the seat height actuator. REF: NA 13-1-36
14. Discuss R&R of the ejection seat control handle. REF: NA 13-1-36
15. Discuss R&R of the drogue canister assembly. REF: NA 13-1-36
16. Discuss R&R of the drogue deployment catapult. REF: NA 13-1-36
17. Discuss R&R of the drogue bridle assembly. REF: NA 13-1-36
18. Discuss R&R of the parachute deployment rocket motor. REF: NA 13-1-36
19. Discuss R&R of the drogue bridle assembly. REF: NA 13-1-36
20. Discuss R&R of the ejection sequencer. REF: NA 13-1-36
21. Discuss R&R of the baro-static release unit. REF: NA 13-1-36
22. Discuss R&R of the thermal batteries. REF: NA 13-1-36
23. Discuss arm ejection seat. REF: NA 13-1-36
24. Discuss de-arm ejection seat. REF: NA 13-1-36
25. Discuss R&R of the ejection seat initiator. REF: NA 13-1-36
26. Discuss R&R of the MOR initiator. REF: NA 13-1-36
27. Discuss appropriate 3M documentation procedures. REF: OPNAVINST 4790.2_ and A1-F18AX-WUC-800
28. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
29. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
30. Discuss corrosion detection and prevention procedures. REF: NA 16-1-540

J. SUMMARY: During this period of instruction we covered SJU-17(V)1A and SJU-17(V)2A NACES system theory of operation, functional check, and fault isolation of canopy and boarding ladder system components. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.07 (A thru D)

FIRE EXTINGUISHING SYSTEM

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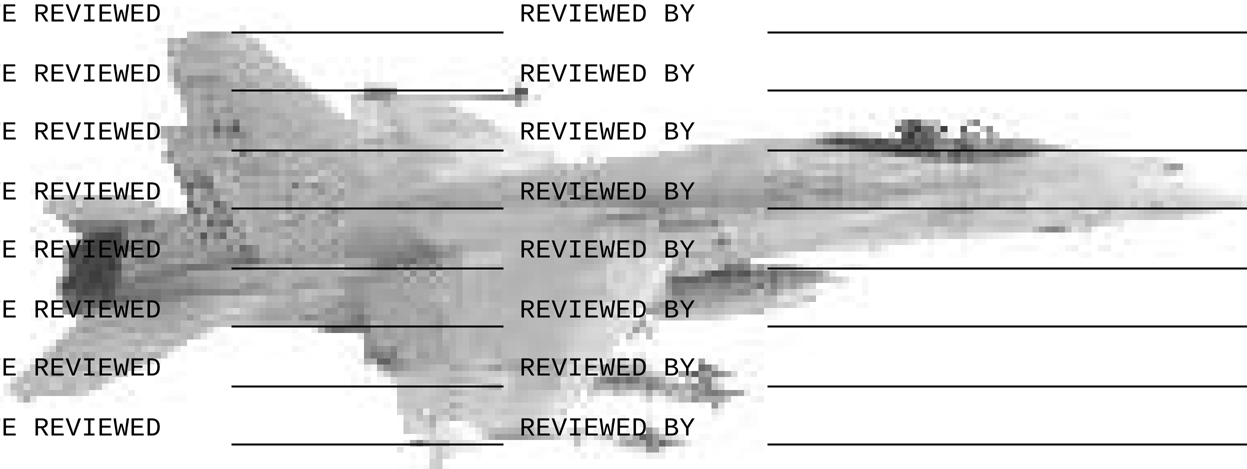

A. LECTURE NUMBER: F/A-18 MOS 6287 B.07 (A thru D)

B. TIME: 1.5 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Fire Extinguishing System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Fire extinguishing system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-240-100, Theory of Operations Secondary Power System
2. A1-F18AC-240-200, Organizational Testing and Troubleshooting Secondary Power System
3. A1-F18AC-240-300, Organizational Maintenance with IPB Power System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. A1-F18AX-WUC-800, Work Unit Code
6. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss theory of operation for the fire extinguishing system. REF: A1-F18AC-240-100
2. Discuss fault isolation for the fire extinguishing system. REF: A1-F18AC-240-200
3. Discuss functional check for the fire extinguishing system. REF: A1-F18AC-240-200
4. Discuss R&R of the fire extinguishing tank. REF: A1-F18AC-240-300
5. Discuss R&R of the fire extinguishing cartridges. REF: A1-F18AC-240-300
6. Discuss appropriate 3M documentation procedures. REF: OPNAVINST 4790.2_ and A1-F18AX-WUC-800

7. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
8. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
9. Discuss corrosion detection and prevention procedures. REF: NA 16-1-540

J. SUMMARY: During this period of instruction we covered fire extinguishing system theory of operation, functional check, and fault isolation of canopy and boarding ladder system components. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.08 (A thru D)

CABIN PRESSURIZATION SYSTEM

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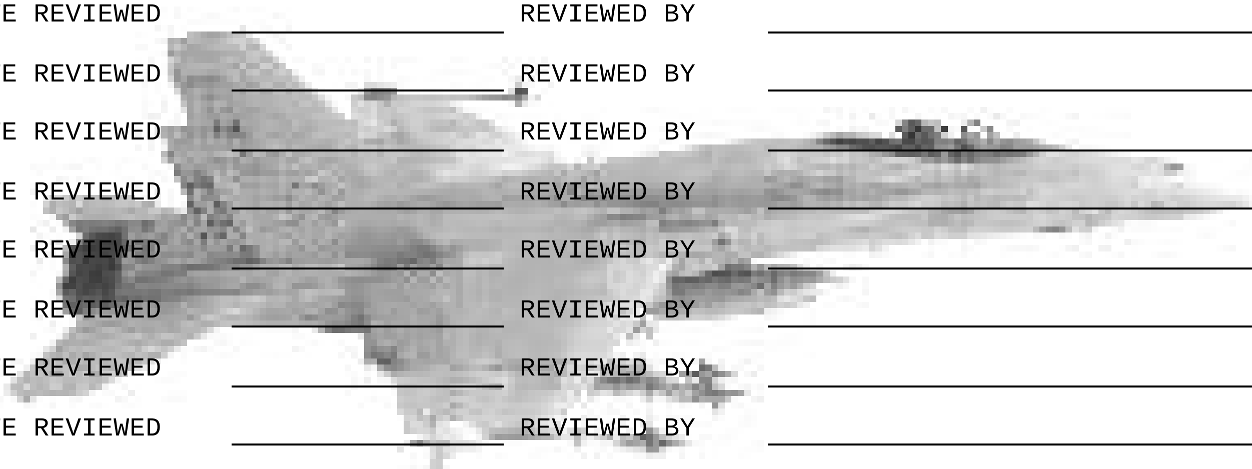


A. LECTURE NUMBER: F/A-18 MOS 6287 B.08 (A thru D)

B. TIME: 1.5 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Cabin Pressurization System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Cabin pressurization system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Theory of Operations Aircraft Environmental Control Systems
2. A1-F18AC-410-200, Organizational Testing and Troubleshooting Environmental Control Systems
3. A1-F18AC-410-300, Organizational Maintenance with IPB Aircraft Environmental Control Systems
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. A1-F18AX-WUC-800, Work Unit Code
6. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss theory of operation for the cabin pressurization system. REF: A1-F18AC-410-100
2. Discuss fault isolation for the cabin pressurization system. REF: A1-F18AC-240-200
3. Discuss functional check for the cabin pressurization system. REF: A1-F18AC-240-200
4. Discuss R&R of the aircraft cabin air pressure regulator. REF: A1-F18AC-410-300
5. Discuss R&R of the aircraft cabin air pressure emergency relief valve. REF: A1-F18AC-410-300
6. Discuss R&R of the aircraft cabin air pressure safety valve. REF: A1-F18AC-410-300

7. Discuss appropriate 3M documentation procedures. REF: OPNAVINST 4790.2_ and A1-F18AX-WUC-800
8. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
9. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
10. Discuss corrosion detection and prevention procedures. REF: NA 16-1-540

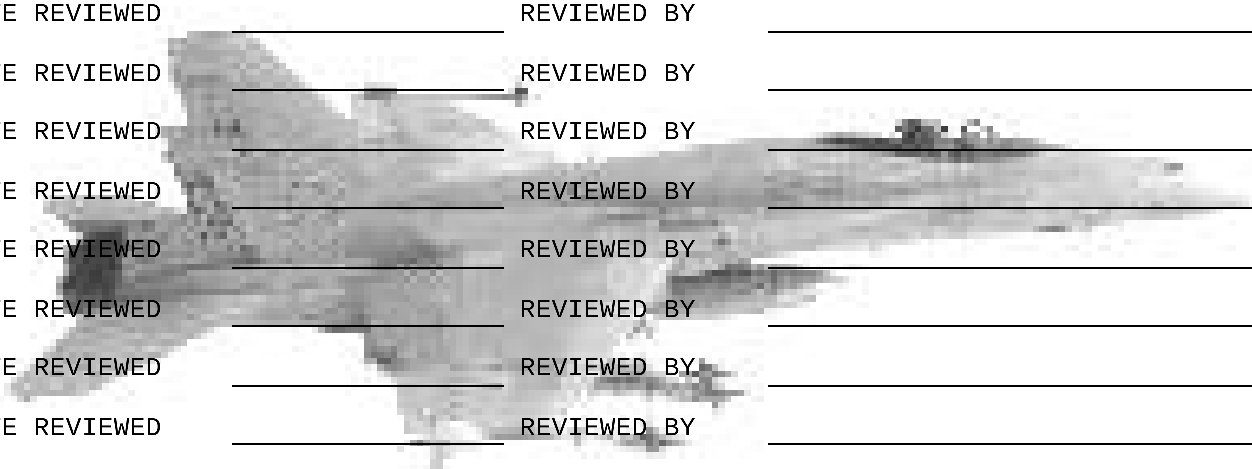
J. SUMMARY: During this period of instruction we covered cabin pressurization system theory of operation, functional check, and fault isolation of canopy and boarding ladder system components. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.09 (A thru D)

ENVIRONMENTAL CONTROL SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.09 (A thru D)

B. TIME: 1.5 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Environmental Control System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Environmental control system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Theory of Operations Aircraft Environmental Control Systems
2. A1-F18AC-410-200, Organizational Testing and Troubleshooting Aircraft Environmental Control Systems
3. A1-F18AC-410-300, Organizational Maintenance with IPB Aircraft Environmental Control Systems
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. A1-F18AX-WUC-800, Work Unit Code
6. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss theory of operation for the environmental control system. REF: A1-F18AC-410-100
2. Discuss fault isolation for the environmental control system. REF: A1-F18AC-240-200
3. Discuss functional check for the environmental control system. REF: A1-F18AC-240-200
4. Discuss R&R of the ACS temperature flow controller. REF: A1-F18AC-410-300
5. Discuss R&R of the ECS control panel. REF: A1-F18AC-410-300
6. Discuss appropriate 3M documentation procedures. REF: OPNAVINST 4790.2_ and A1-F18AX-WUC-800
7. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_

8. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
9. Discuss corrosion detection and prevention procedures. REF: NA 16-1-540

J. SUMMARY: During this period of instruction we covered environmental control system theory of operation, functional check, and fault isolation of canopy and boarding ladder system components. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.10 (A thru D)

BLEED AIR SYSTEM

	YR/MO/DAY		NAME/RANK
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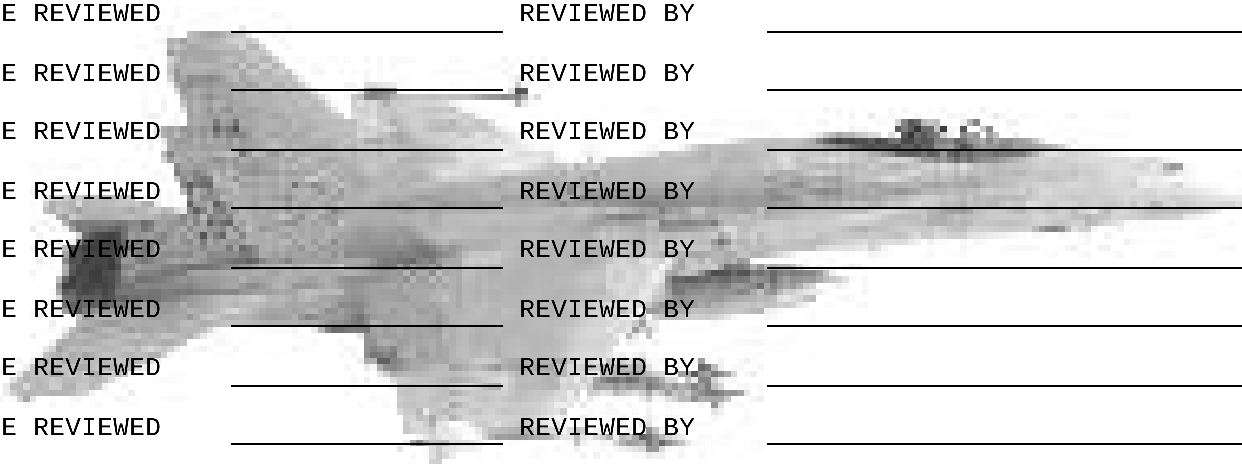

A. LECTURE NUMBER: F/A-18 MOS 6287 B.10 (A thru D)

B. TIME: 1.5 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Bleed Air System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Bleed air system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Theory of Operations Aircraft Environmental Control Systems
2. A1-F18AC-410-200, Organizational Testing and Troubleshooting Environmental Control Systems
3. A1-F18AC-410-300, Organizational Maintenance with IPB Aircraft Environmental Control Systems
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. A1-F18AX-WUC-800, Work Unit Code
6. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Discuss theory of operation for the bleed air system. REF: A1-F18AC-410-100
2. Discuss fault isolation for the bleed air system. REF: A1-F18AC-410-200
3. Discuss functional check for the bleed air system. REF: A1-F18AC-410-200
4. Discuss R&R of the bleed air check valves. REF: A1-F18AC-410-300
5. Discuss R&R of the secondary pressure regulator and shutoff valve. REF: A1-F18AC-410-300
6. Discuss R&R of the air isolation valve. REF: A1-F18AC-410-300
7. Discuss R&R of the bleed air ducts. REF: A1-F18AC-410-300

8. Discuss appropriate 3M documentation procedures. REF: OPNAVINST 4790.2_ and A1-F18AX-WUC-800
9. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
10. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
11. Discuss corrosion detection and prevention procedures. REF: NA 16-1-540

J. SUMMARY: During this period of instruction we covered bleed air system theory of operation, functional check, and fault isolation of canopy and boarding ladder system components. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.11 (A thru D)

BLEED AIR LEAK DETECTION SYSTEM

	YR/MO/DAY		NAME/RANK
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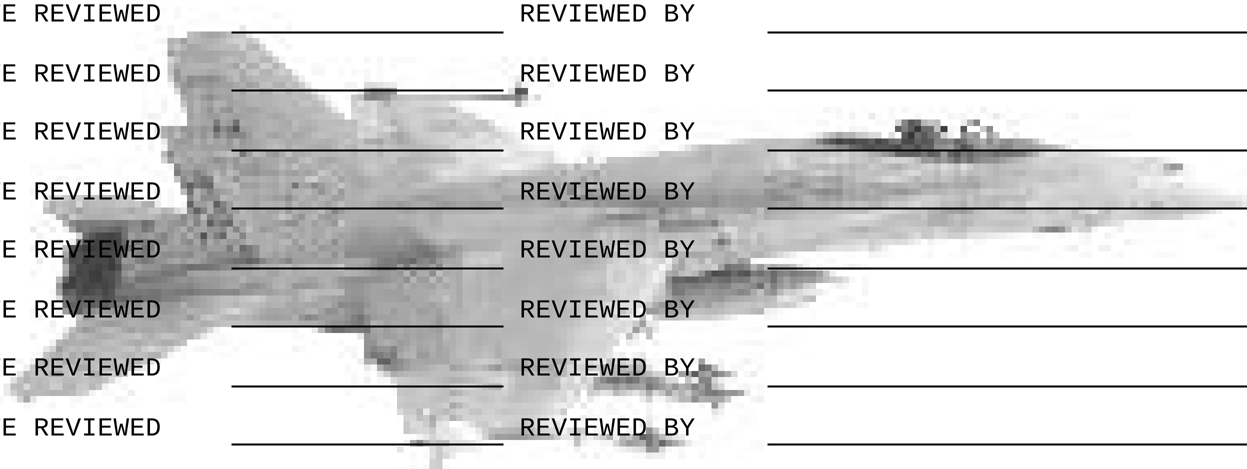


A. LECTURE NUMBER: F/A-18 MOS 6287 B.11 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Bleed Air Leak Detection System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Bleed air leak detection system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Aircraft Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Troubleshooting Aircraft Environmental Control System
3. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
4. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
5. A1-F18AX-WUC-800, Work Unit Code Manual
6. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review bleed air leak detection system theory of operation. REF: A1-F18-AC-410-100
2. Review bleed air leak detection system functional check procedures. REF: A1-F18AC-410-200
3. Review bleed air leak detection system fault isolation procedures. REF: A1-F18AC-410-200
4. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
5. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
6. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
7. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

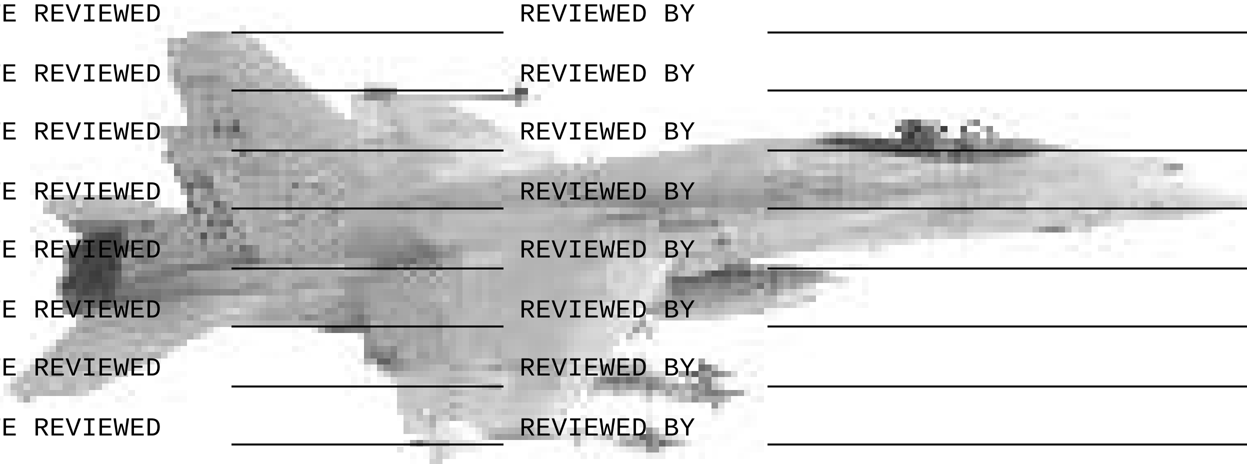
J. SUMMARY: During this period of instruction we covered bleed air leak detection system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.12 (A thru D)

AIR CYCLE AIR CONDITIONING SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.12 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Air Cycle Air Conditioning System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Air cycle air conditioning system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review air cycle air conditioning system theory of operation. REF: A1-F18-AC-410-100
2. Review air cycle air conditioning system functional check procedures. REF: A1-F18AC-410-200
3. Review air cycle air conditioning system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the primary heat exchanger. REF: A1-F18AC-410-300
5. Review R&R of the secondary heat exchanger. REF: A1-F18AC-410-300
6. Review R&R of the system modulating pressure regulator. REF: A1-F18AC-410-300

7. Review R&R of the turbine/compressor assembly. REF: A1-F18AC-410-300
8. Review R&R of the turbine protective temperature sensor. REF: A1-F18AC-410-300
9. Review R&R of the compressor protective temperature sensor. REF: A1-F18AC-410-300
10. Review R&R of the condenser/re-heater heat exchanger. REF: A1-F18AC-410-300
11. Review R&R of the anti-ice ADD heat valve. REF: A1-F18AC-410-300
12. Review R&R of the avionics RAM air servo. REF: A1-F18AC-410-300
13. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
14. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
15. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
16. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

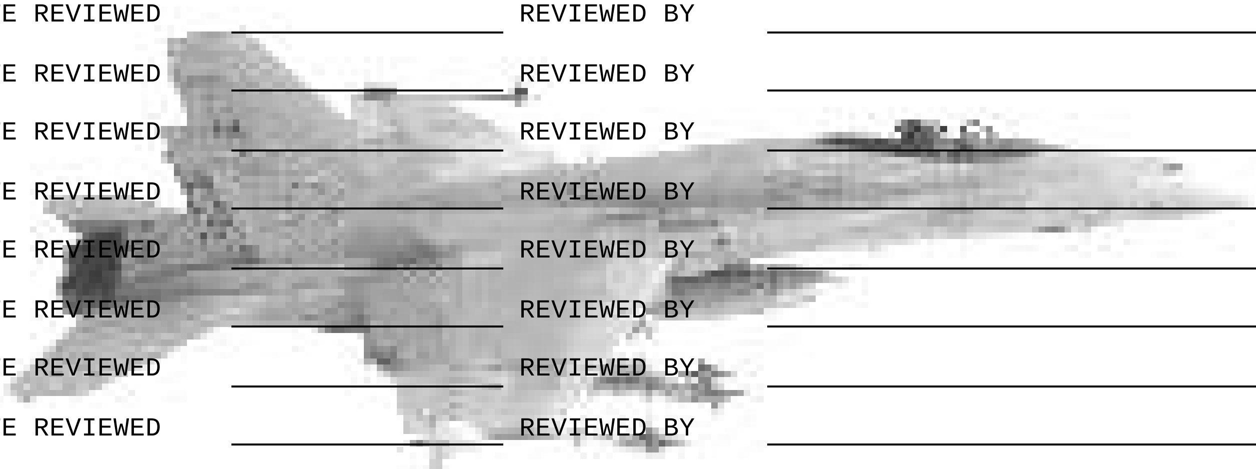
J. SUMMARY: During this period of instruction we covered air cycle air conditioning system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.13 (A thru D)

CABIN COOLING / DEFOG SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.13 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Cabin Cooling / Defog System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Cabin cooling/defog system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review cabin cooling/defog system theory of operation. REF: A1-F18-AC-410-100
2. Review cabin cooling/defog system functional check procedures. REF: A1-F18AC-410-200
3. Review cabin cooling/defog system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the cabin airflow valve. REF: A1-F18AC-410-300
5. Review R&R of the cabin ADD heat valve. REF: A1-F18AC-410-300
6. Review R&R of the cabin air over-temp sensor. REF: A1-F18AC-410-300

7. Review R&R of the cabin air flow/temp sensor. REF: A1-F18AC-410-300
8. Review R&R of the cabin/defog ram air control valve. REF: A1-F18AC-410-300
9. Review R&R of the defog control assembly. REF: A1-F18AC-410-300
10. Review R&R of the cabin/defog plenum distribution valve. REF: A1-F18AC-410-300
11. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
12. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
13. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
14. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

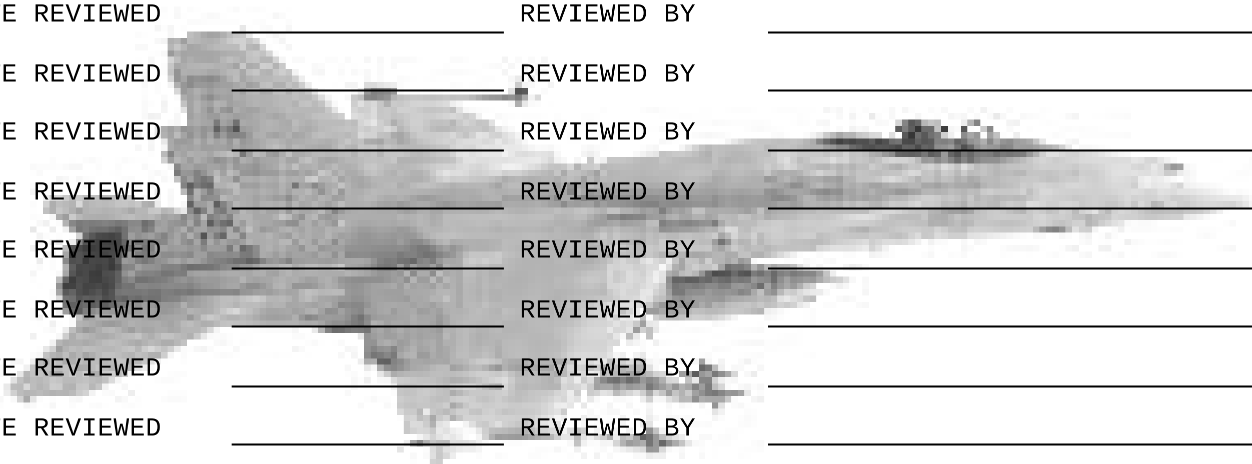
J. SUMMARY: During this period of instruction we covered cabin cooling/defog system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.14 (A thru D)

VENT SUIT SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.14 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Vent Suit System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Vent suit system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review vent suit system theory of operation. REF: A1-F18-AC-410-100
2. Review vent suit system functional check procedures. REF: A1-F18AC-410-200
3. Review vent suit system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the vent suit temperature valve. REF: A1-F18AC-410-300
5. Review R&R of the vent suit temperature sensor. REF: A1-F18AC-410-300
6. Review R&R of the vent suit over-temp sensor. REF: A1-F18AC-410-300

7. Review R&R of the vent suit pressure regulator. REF: A1-F18AC-410-300
8. Review R&R of the vent suit pressure relief valve. REF: A1-F18AC-410-300
9. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
10. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
11. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
12. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

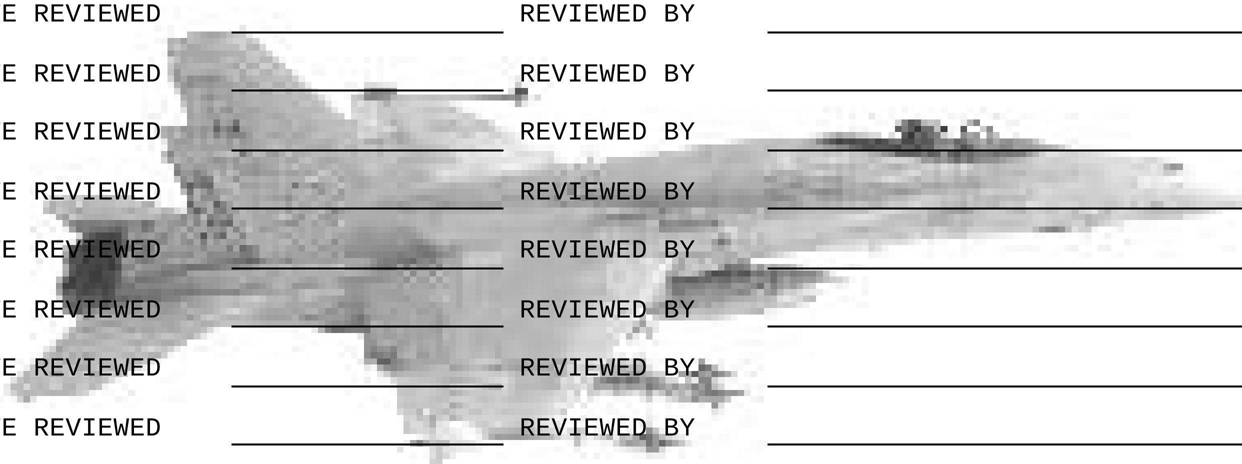
J. SUMMARY: During this period of instruction we covered vent suit system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.15 (A thru D)

AVIONICS COOLING SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.15 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Avionics Cooling System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Avionics cooling system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review avionics cooling system theory of operation. REF: A1-F18-AC-410-100
2. Review avionics cooling system functional check procedures. REF: A1-F18AC-410-200
3. Review avionics cooling system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the avionics flow valve. REF: A1-F18AC-410-300
5. Review R&R of the avionics air flow/temperature sensor. REF: A1-F18AC-410-300
6. Review R&R of the avionics under-cooling warning temperature sensor. REF: A1-F18AC-410-300

7. Review R&R of the avionics RAM air valve. REF: A1-F18AC-410-300
8. Review R&R of the avionics fan control pressure switch. REF: A1-F18AC-410-300
9. Review R&R of the cabin exit air controller. REF: A1-F18AC-410-300
10. Review R&R of the cabin exit air valve. REF: A1-F18AC-410-300
11. Review R&R of the RLCS heat exchanger. REF: A1-F18AC-410-300
12. Review R&R of the RLCS ground airflow valve. REF: A1-F18AC-410-300
13. Review R&R of the RLCS pump. REF: A1-F18AC-410-300
14. Review R&R of the RLCS actuator. REF: A1-F18AC-410-300
15. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
16. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
17. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
18. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

J. SUMMARY: During this period of instruction we covered avionics cooling system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.16 (A thru D)

CANOPY SEAL PRESSURE SYSTEM

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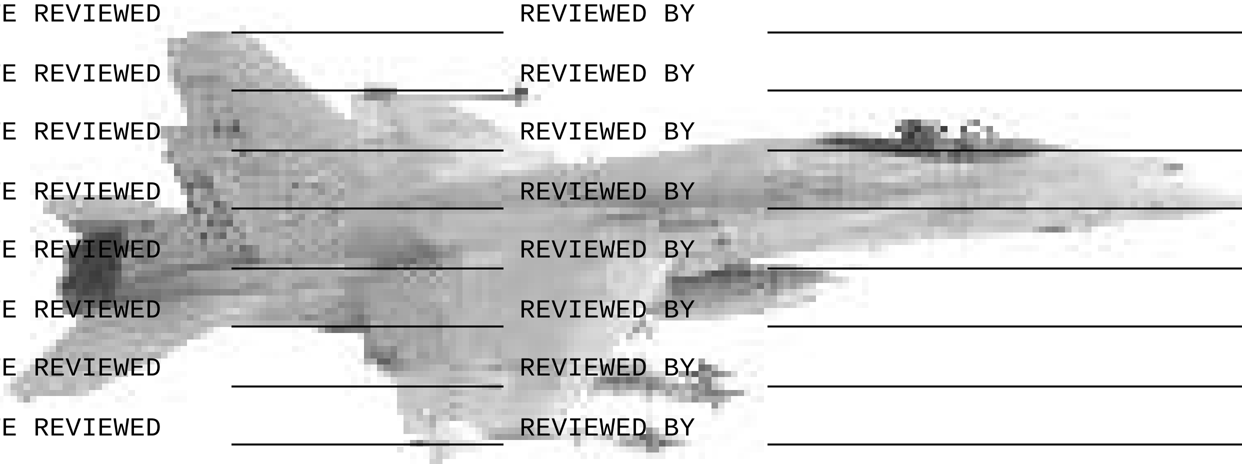

A. LECTURE NUMBER: F/A-18 MOS 6287 B.16 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Canopy Seal Pressure System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Canopy seal pressure system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review canopy seal pressure system theory of operation. REF: A1-F18-AC-410-100
2. Review canopy seal pressure system functional check procedures. REF: A1-F18AC-410-200
3. Review canopy seal pressure system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the canopy seal pressure regulator. REF: A1-F18AC-410-300
5. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
6. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
7. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_

8. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

J. SUMMARY: During this period of instruction we covered canopy seal pressure system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.17 (A thru D)

ON-BOARD OXYGEN GENERATING SYSTEM (OBOGS)

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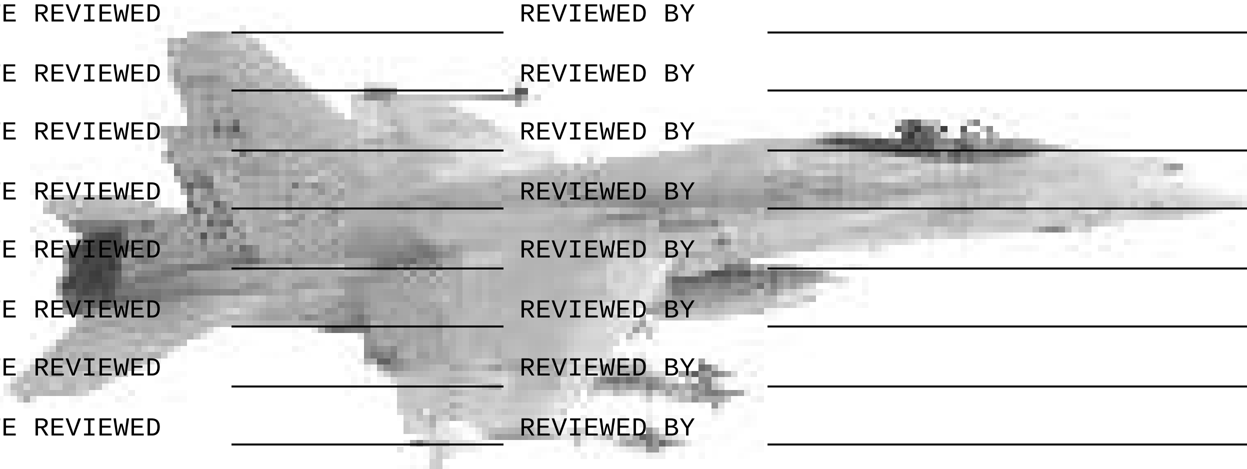


A. LECTURE NUMBER: F/A-18 MOS 6287 B.17 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: On-Board Oxygen Generating System (OBOGS)

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: On-board oxygen generating system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review on-board oxygen generating system theory of operation. REF: A1-F18-AC-410-100
2. Review on-board oxygen generating system functional check procedures. REF: A1-F18AC-410-200
3. Review on-board oxygen generating system fault isolation procedures. REF: A1-F18AC-410-200
4. Review OBOGS purging procedures. REF: A1-F18AC-410-300
5. Review R&R of the OBOGS concentrator. REF: A1-F18AC-410-300
6. Review R&R of the OBOGS control panel. REF: A1-F18AC-410-300
7. Review R&R of the forward cockpit OBOGS plenum. REF: A1-F18AC-410-300

8. Review R&R of the aircraft seat oxygen disconnect. REF: A1-F18AC-410-300
9. Review R&R of the inlet air shuttle valve. REF: A1-F18AC-410-300
10. Review R&R of the aircraft oxygen monitor. REF: A1-F18AC-410-300
11. Review R&R of the HPWS pressure switch. REF: A1-F18AC-410-300
12. Review R&R of the primary heat exchanger shut-off valve. REF: A1-F18AC-410-300
13. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
14. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
15. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
16. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

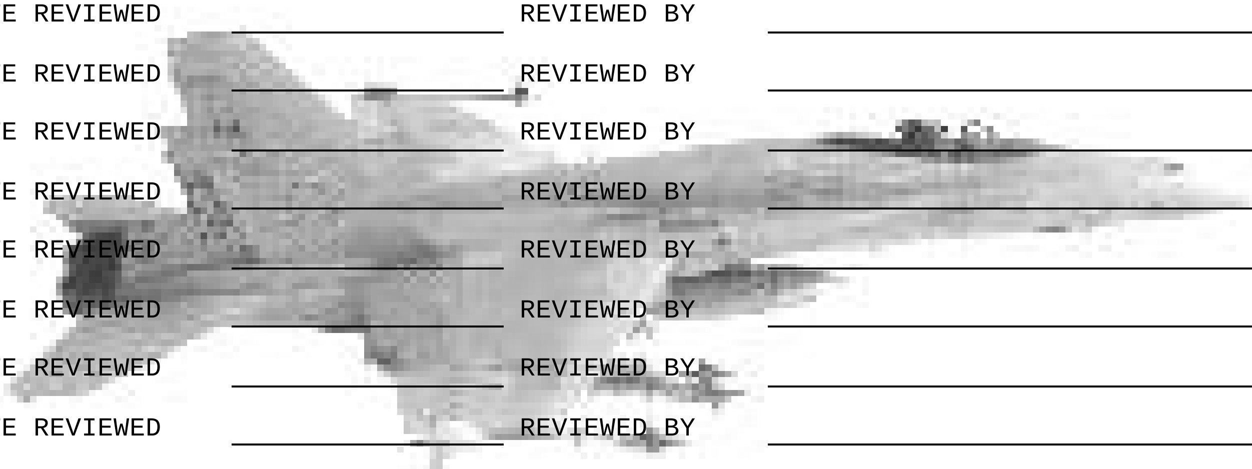
J. SUMMARY: During this period of instruction we covered on-board oxygen generating system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.18 (A thru D)

LIQUID OXYGEN SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.18 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Liquid Oxygen System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Liquid oxygen system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review liquid oxygen system theory of operation. REF: A1-F18-AC-410-100
2. Review liquid oxygen system functional check procedures. REF: A1-F18AC-410-200
3. Review liquid oxygen system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the oxygen system safety relief valve. REF: A1-F18AC-410-300
5. Review R&R of the aircraft air to oxygen heat exchanger. REF: A1-F18AC-410-300
6. Review R&R of the oxygen manifold assembly. REF: A1-F18AC-410-300

7. Review R&R of the pilot services control panel assembly. REF: A1-F18AC-410-300
8. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
9. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
10. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
11. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

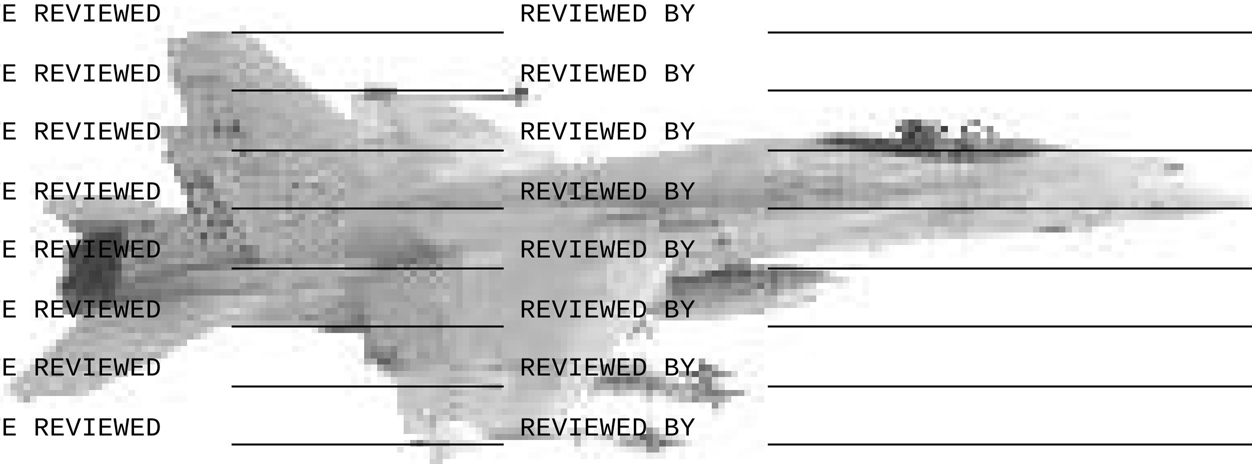
J. SUMMARY: During this period of instruction we covered liquid oxygen system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.19 (A thru D)

WINDSHIELD ANTI-ICE AND RAIN REMOVAL SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.19 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Windshield Anti-ice and Rain Removal System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Windshield anti-ice and rain removal system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review windshield anti-ice and rain removal system theory of operation. REF: A1-F18-AC-410-100
2. Review windshield anti-ice and rain removal system functional check procedures. REF: A1-F18AC-410-200
3. Review windshield anti-ice and rain removal system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the warm air temperature control valve. REF: A1-F18AC-410-300
5. Review R&R of the warm air temperature sensor. REF: A1-F18AC-410-300
6. Review R&R of the flow/temperature limiting anti-ice modulating valve. REF: A1-F18AC-410-300

7. Review R&R of the warm air over-temp sensor. REF: A1-F18AC-410-300
8. Review R&R of the anti-ice/rain removal air control regulating valve. REF: A1-F18AC-410-300
9. Review R&R of the windshield overheat temperature sensor. REF: A1-F18AC-410-300
10. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
11. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
12. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
13. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

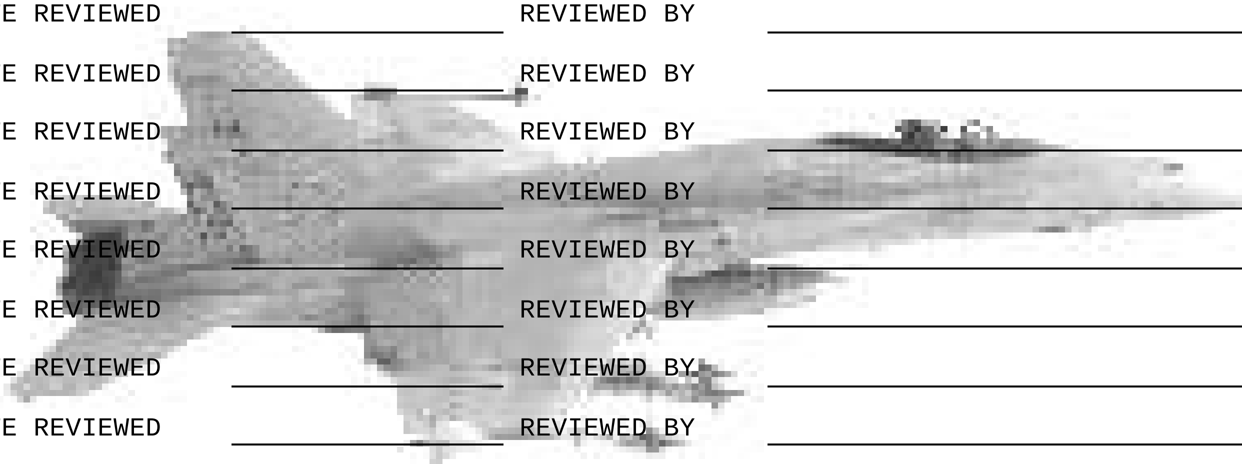
J. SUMMARY: During this period of instruction we covered windshield anti-ice and rain removal system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.20 (A thru D)

WAVEGUIDE PRESSURE SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.20 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Waveguide Pressure System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Waveguide pressure system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review waveguide pressure system theory of operation. REF: A1-F18-AC-410-100
2. Review waveguide pressure system functional check procedures. REF: A1-F18AC-410-200
3. Review waveguide pressure system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the avionics pressure filter assembly. REF: A1-F18AC-410-300
5. Review R&R of the waveguide fluid pressure regulating valves. REF: A1-F18AC-410-300
6. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800

7. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
8. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
9. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

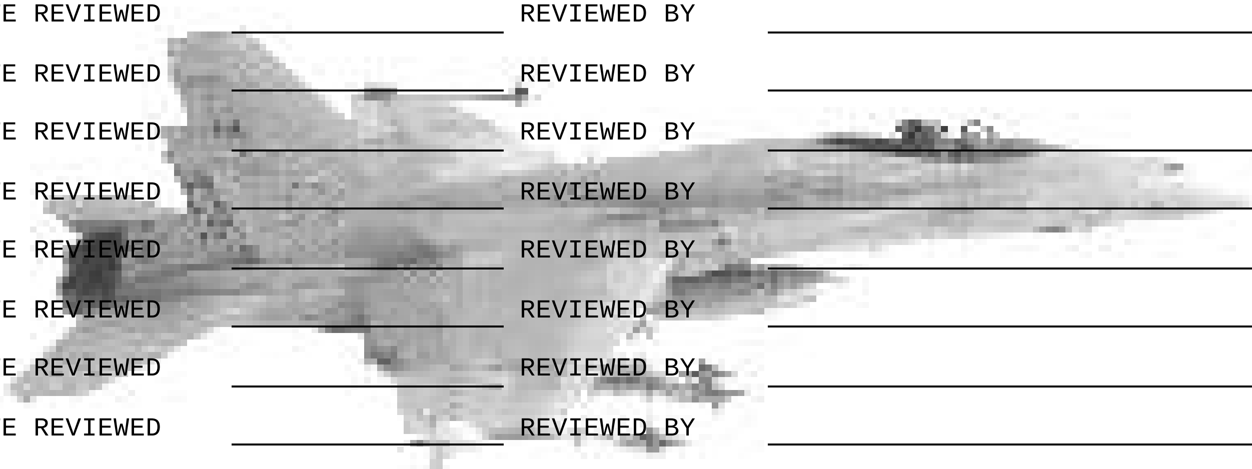
J. SUMMARY: During this period of instruction we covered waveguide pressure system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.21 (A thru D)

ANTI-”G” SYSTEM



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.21 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Anti-"G" System

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Anti-"G" system theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AC-410-100, Organizational Maintenance Principles of Environmental Control System
2. A1-F18AC-410-200, Organizational Maintenance Testing and Environmental Control System
3. A1-F18AC-410-300, Organizational Maintenance with IPB Environmental Control System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review Anti-"G" system theory of operation. REF: A1-F18-AC-410-100
2. Review Anti-"G" system functional check procedures. REF: A1-F18AC-410-200
3. Review Anti-"G" system fault isolation procedures. REF: A1-F18AC-410-200
4. Review R&R of the Anti-"G" valve. REF: A1-F18AC-410-300
5. Review R&R of the Anti-"G" suit disconnect. REF: A1-F18AC-410-300
6. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
7. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_

8. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
9. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

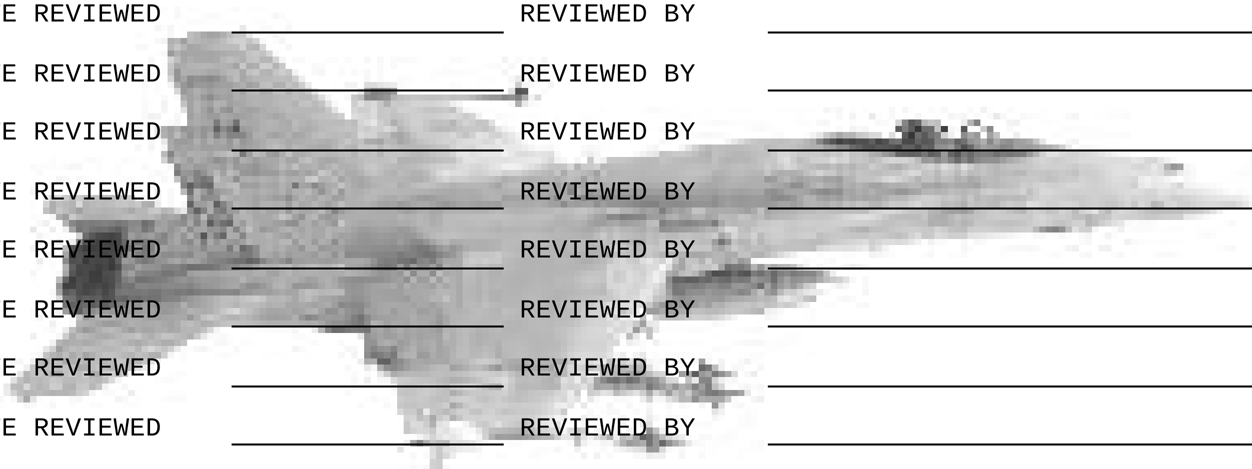
J. SUMMARY: During this period of instruction we covered Anti-”G” system theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS:

F/A-18 A/B/C/D MAINTENANCE TRAINING

LESSON GUIDE NUMBER: F/A-18 MOS 6287 B.22 (A thru D)

DEPLOYABLE FLIGHT INCIDENT RECORDER SYSTEM (DFIRS)



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A. LECTURE NUMBER: F/A-18 MOS 6287 B.22 (A thru D)

B. TIME: 1.0 Hours

C. DATE PREPARED: 31 Aug 03

D. DATE REVIEWED: On separate sheet

E. TITLE: Deployable Flight Incident Recorder System (DFIRS)

F. OBJECTIVE: Student will be able to demonstrate knowledge of the following: Deployable flight incident recorder system (DFIRS) theory of operation, functional check, and fault isolation procedures. Students will also be able to comply with all 3M, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

G. INSTRUCTIONAL AIDES: F/A 18 Aircraft

H. REFERENCES:

1. A1-F18AX-580-100, Organizational Maintenance Principles of Flight Incident Recorder and Monitoring System
2. A1-F18AX-580-200, Organizational Maintenance Testing and Troubleshooting Flight Incident Recorder and Monitoring System
3. A1-F18AX-580-300, Organizational Maintenance with IPB Flight Incident Recorder and Monitoring System
4. A1-F18AC-LMM-000, Organizational Maintenance Line Maintenance Procedures
5. OPNAVINST 4790.2_, Naval Aviation Maintenance Program
6. A1-F18AX-WUC-800, Work Unit Code Manual
7. NA 01-1A-509, Corrosion Control Manual

I. PRESENTATION:

NOTE: Stress all WARNINGS, CAUTIONS and NOTES throughout the presentation.

1. Review deployable flight incident recorder system (DFIRS) theory of operation. REF: A1-F18-AX-580-100
2. Review deployable flight incident recorder system (DFIRS) functional check procedures. REF: A1-F18AX-580-200
3. Review deployable flight incident recorder system (DFIRS) fault isolation procedures. REF: A1-F18AX-580-200
4. Review R&R of the DFIRS system components. REF: A1-F18AX-580-300

5. Discuss appropriate 3M documentation procedures. REF: NA OPNAVINST 4790.2_ and A1-F18AX-WUC-800
6. Discuss Tool Control procedures. REF: OPNAVINST 4790.2_
7. Discuss FOD prevention guidelines. REF: OPNAVINST 4790.2_
8. Discuss corrosion detection and prevention procedures. REF: NA 01-1A-509

J. SUMMARY: During this period of instruction we covered Deployable flight incident recorder system (DFIRS) theory of operation, functional check, and fault isolation procedures. We also discussed proper 3M documentation, Tool Control, FOD, and Corrosion Control procedures as they pertain to each task.

K. QUESTION AND ANSWERS: